

# Moplen HP500L

Polypropylene Homopolymer  
Shazand (Arak) Petrochemical Corporation

Message:

General Purpose Polypropylene Homopolymer Resin  
Features:  
Excellent processibility  
Good stiffness/impact balance  
Excellent chemical resistance  
Good heat resistance  
Applications:  
Slit tape  
Monofilament

| General Information                                      |                                |                   |             |
|----------------------------------------------------------|--------------------------------|-------------------|-------------|
| Features                                                 | Equilibrium rigidity/toughness |                   |             |
|                                                          | Homopolymer                    |                   |             |
|                                                          | Good chemical resistance       |                   |             |
|                                                          | Heat resistance, high          |                   |             |
|                                                          | General                        |                   |             |
| Uses                                                     | Strap                          |                   |             |
|                                                          | monofilament                   |                   |             |
|                                                          | General                        |                   |             |
| Physical                                                 | Nominal Value                  | Unit              | Test Method |
| Specific Gravity                                         | 0.900                          | g/cm <sup>3</sup> | ASTM D792B  |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                | 6.0                            | g/10 min          | ASTM D1238  |
| Mechanical                                               | Nominal Value                  | Unit              | Test Method |
| Tensile Strength (Yield)                                 | 34.0                           | MPa               | ASTM D638   |
| Tensile Elongation (Yield)                               | 9.0                            | %                 | ASTM D638   |
| Flexural Modulus                                         | 1550                           | MPa               | ASTM D790A  |
| Impact                                                   | Nominal Value                  | Unit              | Test Method |
| Notched Izod Impact (23°C)                               | 34                             | J/m               | ASTM D256A  |
| Thermal                                                  | Nominal Value                  | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 102                            | °C                | ASTM D648   |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

# Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

